

Author Index to Volume 180

- Allegrini, P., see D. Vitali 180 (1994) 297
- Anfinrud, P.A., see T.A. Jackson 180 (1994) 131
- Bala, P., B. Lesyng and J.A. McCammon, Applications of quantum-classical and quantum-stochastic molecular dynamics simulations for proton transfer processes 180 (1994) 271
- Ben-Amotz, D., see A.M. Williams 180 (1994) 119
- Ben-Avraham, D. and D. Zhong, Diffusion-limited many-body reactions in one dimension and the method of interparticle distribution functions 180 (1994) 329
- Benjamin, I., Solvent dynamics following charge transfer at the liquid-liquid interface 180 (1994) 287
- Boukheddaden, K., J. Linares, S. Galam and F. Varret, Tunneling transfer in a coupled bistable oscillator pair 180 (1994) 43
- Braun, D. and W. Rettig, Kinetic studies of twisted intramolecular charge transfer in highly viscous solvents as a function of pressure and temperature 180 (1994) 231
- Brion, C.E., see W.F. Chan 180 (1994) 77
- Cao, J., see D.E. Sagnella 180 (1994) 167
- Chan, W.F., G. Cooper and C.E. Brion, Discrete and continuum photoabsorption oscillator strengths for the electronic spectrum of nitrous oxide (5.5–203 eV) 180 (1994) 77
- Ciccotti, G., see D. Laria 180 (1994) 181
- Clément, E., R. Kopelman and L. Sander, The diffusion-limited reaction $A + A \rightarrow 0$ in the steady state: influence of correlations in the source 180 (1994) 337
- Cooper, G., see W.F. Chan 180 (1994) 77
- Ferrario, M., see D. Laria 180 (1994) 181
- Frenking, G., see Y. Yamaguchi 180 (1994) 55
- Galam, S., see K. Boukheddaden 180 (1994) 43
- Gaw, J.F., see Y. Yamaguchi 180 (1994) 55
- Gitterman, M. and G.H. Weiss, A singular perturbation theory for reaction-diffusion equations 180 (1994) 319
- Grigolini, P., see D. Vitali 180 (1994) 297
- Hänggi, P., Escape over fluctuating barriers driven by colored noise 180 (1994) 157
- Hershkowitz, E., see E. Pollak 180 (1994) 191
- Jackson, T.A., M. Lim and P.A. Anfinrud, Complex nonexponential relaxation in myoglobin after photodissociation of MbCO: measurement and analysis from 2 ps to 56 μ s 180 (1994) 131
- Jiang, Y., see A.M. Williams 180 (1994) 119
- Kajii, Y., see Y. Takatori 180 (1994) 99

- Kanamaru, N., Rotational effect on radiationless transition. II. Typical intermediate case, pyrazine 180 (1994) 19
- Kanamaru, N., Rotational effect on radiationless transition. III. External magnetic-field effect 180 (1994) 37
- Kapral, R., see D. Laria 180 (1994) 181
- Komatsuzaki, T. and I. Ohmine, Energetics of proton transfer in liquid water. I. Ab initio study for origin of many-body interaction and potential energy surfaces 180 (1994) 239
- Kopelman, R., see E. Clément 180 (1994) 337
- Laria, D., G. Ciccotti, M. Ferrario and R. Kapral, Activation free energy for proton transfer in solution 180 (1994) 181
- Lesyng, B., see P. Bala 180 (1994) 271
- Lim, M., see T.A. Jackson 180 (1994) 131
- Linares, J., see K. Boukheddaden 180 (1994) 43
- McCammon, J.A., see P. Bala 180 (1994) 271
- Myers, A.B., Relating absorption, emission, and resonance Raman spectra with electron transfer rates in photoinduced charge transfer systems: promises and pitfalls 180 (1994) 215
- Nordio, P.L. and A. Polimeno, Extended Fokker-Planck model for molecular rotations in liquids 180 (1994) 109
- Obi, K., see Y. Takatori 180 (1994) 99
- Ohmine, I., see T. Komatsuzaki 180 (1994) 239
- Pelissier, M., see C. Teichteil 180 (1994) 1
- Polimeno, A., see P.L. Nordio 180 (1994) 109
- Pollak, E. and E. Hershkowitz, Activated rate processes: a multidimensional Kramers turn-over theory 180 (1994) 191
- Remington, R.B., see Y. Yamaguchi 180 (1994) 55
- Rettig, W., see D. Braun 180 (1994) 231
- Sagnella, D.E., J. Cao and G.A. Voth, A semiclassical reactive flux method for the calculation of condensed phase activated rate constants 180 (1994) 167
- Sander, L., see E. Clément 180 (1994) 337
- Schaefer III, H.F., see Y. Yamaguchi 180 (1994) 55
- Shibuya, K., see Y. Takatori 180 (1994) 99
- Silvers, S.J., see D.L. Warnaar 180 (1994) 89
- Styrcz, S., see Z. Zboński 180 (1994) 71
- Takatori, Y., Y. Kajii, K. Shibuya and K. Obi, Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique 180 (1994) 99
- Talkner, P., Finite barrier corrections for the Kramers rate problem in the spatial diffusion regime 180 (1994) 199
- Teichteil, C. and M. Pelissier, Relativistic calculations of excited states of molecular iodine 180 (1994) 1

- Varret, F., see K. Boukheddaden 180 (1994) 43
- Vitali, D., P. Allegrini and P. Grigolini, Nonlinear quantum mechanical effects: real or artefact of inaccurate approximations? 180 (1994) 297
- Voth, G.A., see D.E. Sagnella 180 (1994) 167
- Wang, J. and P. Wolynes, Survival paths for reaction dynamics in fluctuating environments 180 (1994) 141
- Warnaar, D.L. and S.J. Silvers, Zeeman quantum beat spectroscopy of higher rovibrational levels of the V ¹B₂ state of carbon disulfide 180 (1994) 89
- Weiss, G.H., see M. Gitterman 180 (1994) 319
- Williams, A.M., Y. Jiang and D. Ben-Amotz, Molecular reorientation dynamics and microscopic friction in liquids 180 (1994) 119
- Wolynes, P., see J. Wang 180 (1994) 141
- Yamaguchi, Y., R.B. Remington, J.F. Gaw, H.F. Schaefer III and G. Frenking, Canonical orbital energy derivative studies of the C₂H₂ and H₂CO ground state potential energy hypersurfaces 180 (1994) 55
- Zboiński, Z. and S. Styrz, Predimeric pairs as traps for charge carriers in organic solids. Naphthalene and anthracene crystals 180 (1994) 71
- Zhong, D., see D. Ben-Avraham 180 (1994) 329

Subject Index to Volume 180

Methods

Theoretical

Classical mechanics

- Activated rate processes: a multidimensional Kramers turnover theory, E. Pollak and E. Hershkowitz 180 (1994) 191

Many body and quasiparticle approaches

- Relativistic calculations of excited states of molecular iodine, C. Teichteil and M. Pelissier 180 (1994) 1

Coupling schemes and perturbative treatments

- Relativistic calculations of excited states of molecular iodine, C. Teichteil and M. Pelissier 180 (1994) 1
 Rotational effect on radiationless transition. II. Typical intermediate case, pyrazine, N. Kanamaru 180 (1994) 19
 Rotational effect on radiationless transition. III. External magnetic-field effect, N. Kanamaru 180 (1994) 37
 Finite barrier corrections for the Kramers rate problem in the spatial diffusion regime, P. Talkner 180 (1994) 199
 A singular perturbation theory for reaction-diffusion equations, M. Gitterman and G.H. Weiss 180 (1994) 319

Relativistic quantum mechanics

- Relativistic calculations of excited states of molecular iodine, C. Teichteil and M. Pelissier 180 (1994) 1

Transport quantum mechanics

- Tunneling transfer in a coupled bistable oscillator pair, K. Boukheddaden, J. Linares, S. Galam and F. Varret 180 (1994) 43

Equilibrium statistical mechanics

- Solvent dynamics following charge transfer at the liquid-liquid interface, I. Benjamin 180 (1994) 287

Statistical mechanics of stationary states

- Escape over fluctuating barriers driven by colored noise, P. Hänggi 180 (1994) 157
 Activated rate processes: a multidimensional Kramers turnover theory, E. Pollak and E. Hershkowitz 180 (1994) 191
 Nonlinear quantum mechanical effects: real or artefact of inaccurate approximations?, D. Vitali, P. Allegrini and P. Grigolini 180 (1994) 297
 Diffusion-limited many-body reactions in one dimension and the method of interparticle distribution functions, D. Ben-Avraham and D. Zhong 180 (1994) 329

Non-equilibrium thermodynamic and hydrodynamic theories

- Extended Fokker-Planck model for molecular rotations in liquids, P.L. Nordio and A. Polimeno 180 (1994) 109
- Survival paths for reaction dynamics in fluctuating environments, J. Wang and P. Wolynes 180 (1994) 141
- Escape over fluctuating barriers driven by colored noise, P. Hänggi 180 (1994) 157
- Finite barrier corrections for the Kramers rate problem in the spatial diffusion regime, P. Talkner 180 (1994) 199
- A singular perturbation theory for reaction-diffusion equations, M. Gitterman and G.H. Weiss 180 (1994) 319
- Diffusion-limited many-body reactions in one dimension and the method of interparticle distribution functions, D. Ben-Avraham and D. Zhong 180 (1994) 329
- The diffusion-limited reaction $A + A \rightarrow 0$ in the steady state: influence of correlations in the source, E. Clément, R. Kopelman and L. Sander 180 (1994) 337

Ab initio schemes for stationary properties

- Canonical orbital energy derivative studies of the C_2H_2 and H_2CO ground state potential energy hypersurfaces, Y. Yamaguchi, R.B. Remington, J.F. Gaw, H.F. Schaefer III and G. Frenking 180 (1994) 55
- Energetics of proton transfer in liquid water. I. Ab initio study for origin of many-body interaction and potential energy surfaces, T. Komatsuzaki and I. Ohmine 180 (1994) 239

Computational and simulation methods

- Predimeric pairs as traps for charge carriers in organic solids. Naphthalene and anthracene crystals, Z. Zboński and S. Styrz 180 (1994) 71
- A semiclassical reactive flux method for the calculation of condensed phase activated rate constants, D.E. Sagnella, J. Cao and G.A. Voth 180 (1994) 167
- Activation free energy for proton transfer in solution, D. Laria, G. Ciccotti, M. Ferrario and R. Kapral 180 (1994) 181
- Energetics of proton transfer in liquid water. I. Ab initio study for origin of many-body interaction and potential energy surfaces, T. Komatsuzaki and I. Ohmine 180 (1994) 239
- Applications of quantum-classical and quantum-stochastic molecular dynamics simulations for proton transfer processes, P. Bala, B. Lesyng and J.A. McCammon 180 (1994) 271
- Solvent dynamics following charge transfer at the liquid-liquid interface, I. Benjamin 180 (1994) 287
- Diffusion-limited many-body reactions in one dimension and the method of interparticle distribution functions, D. Ben-Avraham and D. Zhong 180 (1994) 329

Molecular dynamics and scattering theory

- Rotational effect on radiationless transition. II. Typical intermediate case, pyrazine, N. Kanamaru 180 (1994) 19
- Rotational effect on radiationless transition. III. External magnetic-field effect, N. Kanamaru 180 (1994) 37

Experimental*Raman spectroscopy*

- Relating absorption, emission, and resonance Raman spectra with electron transfer rates in photoinduced charge transfer systems: promises and pitfalls, A.B. Myers 180 (1994) 215

Visible and UV spectroscopy

- Discrete and continuum photoabsorption oscillator strengths for the electronic spectrum of nitrous oxide (5.5–203 eV), W.F. Chan, G. Cooper and C.E. Brion 180 (1994) 77

Fluorescence spectroscopy

- Zeeman quantum beat spectroscopy of higher rovibrational levels of the V 1B_2 state of carbon disulfide, D.L. Warnaar and S.J. Silvers 180 (1994) 89
- Molecular reorientation dynamics and microscopic friction in liquids, A.M. Williams, Y. Jiang and D. Ben-Amotz 180 (1994) 119
- Relating absorption, emission, and resonance Raman spectra with electron transfer rates in photoinduced charge transfer systems: promises and pitfalls, A.B. Myers 180 (1994) 215
- Kinetic studies of twisted intramolecular charge transfer in highly viscous solvents as a function of pressure and temperature, D. Braun and W. Rettig 180 (1994) 231

Electron impact spectroscopy

- Discrete and continuum photoabsorption oscillator strengths for the electronic spectrum of nitrous oxide (5.5–203 eV), W.F. Chan, G. Cooper and C.E. Brion 180 (1994) 77

Laser methods

- Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique, Y. Takatori, Y. Kajii, K. Shibuya and K. Obi 180 (1994) 99

Picosecond spectroscopy

- Molecular reorientation dynamics and microscopic friction in liquids, A.M. Williams, Y. Jiang and D. Ben-Amotz 180 (1994) 119
- Complex nonexponential relaxation in myoglobin after photodissociation of MbCO: measurement and analysis from 2 ps to 56 μ s, T.A. Jackson, M. Lim and P.A. Anfinrud 180 (1994) 131

Time-resolved experiments

- Zeeman quantum beat spectroscopy of higher rovibrational levels of the V 1B_2 state of carbon disulfide, D.L. Warnaar and S.J. Silvers 180 (1994) 89
- Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique, Y. Takatori, Y. Kajii, K. Shibuya and K. Obi 180 (1994) 99
- Molecular reorientation dynamics and microscopic friction in liquids, A.M. Williams, Y. Jiang and D. Ben-Amotz 180 (1994) 119
- Complex nonexponential relaxation in myoglobin after photodissociation of MbCO: measurement and analysis from 2 ps to 56 μ s, T.A. Jackson, M. Lim and P.A. Anfinrud 180 (1994) 131
- Kinetic studies of twisted intramolecular charge transfer in highly viscous solvents as a function of pressure and temperature, D. Braun and W. Rettig 180 (1994) 231

Objects**Bulk systems***Liquids neat*

- Molecular reorientation dynamics and microscopic friction in liquids, A.M. Williams, Y. Jiang and D. Ben-Amotz 180 (1994) 119

Liquids mixtures and solutions

- Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique, Y. Takatori, Y. Kajii, K. Shibuya and K. Obi 180 (1994) 99
- Extended Fokker-Planck model for molecular rotations in liquids, P.L. Nordio and A. Polimeno 180 (1994) 109
- A semiclassical reactive flux method for the calculation of condensed phase activated rate constants, D.E. Sagnella, J. Cao and G.A. Voth 180 (1994) 167
- Activation free energy for proton transfer in solution, D. Laria, G. Ciccotti, M. Ferrario and R. Kapral 180 (1994) 181
- Solvent dynamics following charge transfer at the liquid-liquid interface, I. Benjamin 180 (1994) 287

Crystals

- Predimeric pairs as traps for charge carriers in organic solids. Naphthalene and anthracene crystals, Z. Zboinski and S. Styrz 180 (1994) 71

Glasses

- Survival paths for reaction dynamics in fluctuating environments, J. Wang and P. Wolynes 180 (1994) 141

Low-dimensional materials

- Diffusion-limited many-body reactions in one dimension and the method of interparticle distribution functions, D. Ben-Avraham and D. Zhong 180 (1994) 329

Dielectrics

- Predimeric pairs as traps for charge carriers in organic solids. Naphthalene and anthracene crystals, Z. Zboinski and S. Styrz 180 (1994) 71

Biological systems

- Complex nonexponential relaxation in myoglobin after photodissociation of MbCO: measurement and analysis from 2 ps to 56 μ s, T.A. Jackson, M. Lim and P.A. Anfinrud 180 (1994) 131
- Survival paths for reaction dynamics in fluctuating environments, J. Wang and P. Wolynes 180 (1994) 141
- Nonlinear quantum mechanical effects: real or artefact of inaccurate approximations?, D. Vitali, P. Allegrini and P. Grigolini 180 (1994) 297

Microscopic systems*Molecules (neutral and ionic)*

- Rotational effect on radiationless transition. II. Typical intermediate case, pyrazine, N. Kanamaru 180 (1994) 19

-diatomic

- Relativistic calculations of excited states of molecular iodine, C. Teichteil and M. Pelissier 180 (1994) 1

-small polyatomics

- Canonical orbital energy derivative studies of the C_2H_2 and H_2CO ground state potential energy hypersurfaces, Y. Yamaguchi, R.B. Remington, J.F. Gaw, H.F. Schaefer III and G. Frenking 180 (1994) 55

- Discrete and continuum photoabsorption oscillator strengths for the electronic spectrum of nitrous oxide (5.5–203 eV), W.F. Chan, G. Cooper and C.E. Brion 180 (1994) 77
- Zeeman quantum beat spectroscopy of higher rovibrational levels of the V 1B_2 state of carbon disulfide, D.L. Warnaar and S.J. Silvers 180 (1994) 89
- aromatics*
- Rotational effect on radiationless transition. III. External magnetic-field effect, N. Kanamaru 180 (1994) 37
- Extended Fokker–Planck model for molecular rotations in liquids, P.L. Nordio and A. Polimeno 180 (1994) 109
- Kinetic studies of twisted intramolecular charge transfer in highly viscous solvents as a function of pressure and temperature, D. Braun and W. Rettig 180 (1994) 231
- Energetics of proton transfer in liquid water. I. Ab initio study for origin of many-body interaction and potential energy surfaces, T. Komatsuzaki and I. Ohmine 180 (1994) 239
- polymeric and biological*
- Complex nonexponential relaxation in myoglobin after photodissociation of MbCO: measurement and analysis from 2 ps to 56 μ s, T.A. Jackson, M. Lim and P.A. Anfinrud 180 (1994) 131
- Applications of quantum–classical and quantum–stochastic molecular dynamics simulations for proton transfer processes, P. Bala, B. Lesyng and J.A. McCammon 180 (1994) 271
- Molecular aggregates*
- dimers*
- Tunneling transfer in a coupled bistable oscillator pair, K. Boukheddaden, J. Linares, S. Galam and F. Varret 180 (1994) 43
- Applications of quantum–classical and quantum–stochastic molecular dynamics simulations for proton transfer processes, P. Bala, B. Lesyng and J.A. McCammon 180 (1994) 271
- Nonlinear quantum mechanical effects: real or artefact of inaccurate approximations?, D. Vitali, P. Allegrini and P. Grigolini 180 (1994) 297
- Quasiparticles (including excitations)*
- Nonlinear quantum mechanical effects: real or artefact of inaccurate approximations?, D. Vitali, P. Allegrini and P. Grigolini 180 (1994) 297
- Defects and impurities*
- Predimeric pairs as traps for charge carriers in organic solids. Naphthalene and anthracene crystals, Z. Zboiński and S. Styrz 180 (1994) 71
- Phenomena**
- Molecular structure*
- Canonical orbital energy derivative studies of the C₂H₂ and H₂CO ground state potential energy hypersurfaces, Y. Yamaguchi, R.B. Remington, J.F. Gaw, H.F. Schaefer III and G. Frenking 180 (1994) 55

Electronic structure and states

- Relativistic calculations of excited states of molecular iodine, C. Teichteil and M. Pelissier 180 (1994) 1
- Canonical orbital energy derivative studies of the C₂H₂ and H₂CO ground state potential energy hypersurfaces, Y. Yamaguchi, R.B. Remington, J.F. Gaw, H.F. Schaefer III and G. Frenking 180 (1994) 55
- Predimeric pairs as traps for charge carriers in organic solids. Naphthalene and anthracene crystals, Z. Zboński and S. Styrz 180 (1994) 71

Electric and magnetic properties

- Zeeman quantum beat spectroscopy of higher rovibrational levels of the V ¹B₂ state of carbon disulfide, D.L. Warnaar and S.J. Silvers 180 (1994) 89

Molecular interactions

- Energetics of proton transfer in liquid water. I. Ab initio study for origin of many-body interaction and potential energy surfaces, T. Komatsuzaki and I. Ohmine 180 (1994) 239

Spectral bandshapes and intensities

- Discrete and continuum photoabsorption oscillator strengths for the electronic spectrum of nitrous oxide (5.5–203 eV), W.F. Chan, G. Cooper and C.E. Brion 180 (1994) 77
- Relating absorption, emission, and resonance Raman spectra with electron transfer rates in photoinduced charge transfer systems: promises and pitfalls, A.B. Myers 180 (1994) 215

Coupling of electronic and nuclear motion

- Tunneling transfer in a coupled bistable oscillator pair, K. Boukheddaden, J. Linares, S. Galam and F. Varret 180 (1994) 43

Energy transfer processes

- Nonlinear quantum mechanical effects: real or artefact of inaccurate approximations?, D. Vitali, P. Allegrini and P. Grigolini 180 (1994) 297

Molecular photophysical processes

- Discrete and continuum photoabsorption oscillator strengths for the electronic spectrum of nitrous oxide (5.5–203 eV), W.F. Chan, G. Cooper and C.E. Brion 180 (1994) 77

Intramolecular dynamics

- Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique, Y. Takatori, Y. Kajii, K. Shibuya and K. Obi 180 (1994) 99
- Complex nonexponential relaxation in myoglobin after photodissociation of MbCO: measurement and analysis from 2 ps to 56 μ s, T.A. Jackson, M. Lim and P.A. Anfinrud 180 (1994) 131
- Activated rate processes: a multidimensional Kramers turnover theory, E. Pollak and E. Hershkowitz 180 (1994) 191
- Kinetic studies of twisted intramolecular charge transfer in highly viscous solvents as a function of pressure and temperature, D. Braun and W. Rettig 180 (1994) 231
- Applications of quantum–classical and quantum–stochastic molecular dynamics simulations for proton transfer processes, P. Bala, B. Lesyng and J.A. McCammon 180 (1994) 271

-radiationless transitions

Rotational effect on radiationless transition. II. Typical intermediate case, pyrazine, N. Kanamaru 180 (1994) 19

Rotational effect on radiationless transition. III. External magnetic-field effect, N. Kanamaru 180 (1994) 37

Luminescence spectra, yields and lifetimes

Rotational effect on radiationless transition. II. Typical intermediate case, pyrazine, N. Kanamaru 180 (1994) 19

Rotational effect on radiationless transition. III. External magnetic-field effect, N. Kanamaru 180 (1994) 37

Non-linear responses (including optical)

Escape over fluctuating barriers driven by colored noise, P. Hänggi 180 (1994) 157

Reactions (including dissociation)

Escape over fluctuating barriers driven by colored noise, P. Hänggi 180 (1994) 157

Finite barrier corrections for the Kramers rate problem in the spatial diffusion regime, P. Talkner 180 (1994) 199

A singular perturbation theory for reaction-diffusion equations, M. Gitterman and G.H. Weiss 180 (1994) 319

Diffusion-limited many-body reactions in one dimension and the method of interparticle distribution functions, D. Ben-Avraham and D. Zhong 180 (1994) 329

The diffusion-limited reaction $A + A \rightarrow 0$ in the steady state: influence of correlations in the source, E. Clément, R. Kopelman and L. Sander 180 (1994) 337

-condensed phase

A semiclassical reactive flux method for the calculation of condensed phase activated rate constants, D.E. Sagnella, J. Cao and G.A. Voth 180 (1994) 167

Activation free energy for proton transfer in solution, D. Laria, G. Ciccotti, M. Ferrario and R. Kapral 180 (1994) 181

Activated rate processes: a multidimensional Kramers turnover theory, E. Pollak and E. Hershkowitz 180 (1994) 191

Finite barrier corrections for the Kramers rate problem in the spatial diffusion regime, P. Talkner 180 (1994) 199

Energetics of proton transfer in liquid water. I. Ab initio study for origin of many-body interaction and potential energy surfaces, T. Komatsuzaki and I. Ohmine 180 (1994) 239

-photochemical

Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique, Y. Takatori, Y. Kajii, K. Shibuya and K. Obi 180 (1994) 99

Tunneling

A semiclassical reactive flux method for the calculation of condensed phase activated rate constants, D.E. Sagnella, J. Cao and G.A. Voth 180 (1994) 167

Electron transfer

Tunneling transfer in a coupled bistable oscillator pair, K. Boukheddaden, J. Linares, S. Galam and F. Varret 180 (1994) 43

- Extended Fokker-Planck model for molecular rotations in liquids, P.L. Nordio and A. Polimeno 180 (1994) 109
- Relating absorption, emission, and resonance Raman spectra with electron transfer rates in photoinduced charge transfer systems: promises and pitfalls, A.B. Myers 180 (1994) 215
- Kinetic studies of twisted intramolecular charge transfer in highly viscous solvents as a function of pressure and temperature, D. Braun and W. Rettig 180 (1994) 231
- Solvent dynamics following charge transfer at the liquid-liquid interface, I. Benjamin 180 (1994) 287
- Molecular motion (including diffusive)*
- Extended Fokker-Planck model for molecular rotations in liquids, P.L. Nordio and A. Polimeno 180 (1994) 109
- Molecular reorientation dynamics and microscopic friction in liquids, A.M. Williams, Y. Jiang and D. Ben-Amotz 180 (1994) 119
- A singular perturbation theory for reaction-diffusion equations, M. Gitterman and G.H. Weiss 180 (1994) 319
- Fluctuations and noise*
- Survival paths for reaction dynamics in fluctuating environments, J. Wang and P. Wolynes 180 (1994) 141
- Escape over fluctuating barriers driven by colored noise, P. Hänggi 180 (1994) 157
- Activated rate processes: a multidimensional Kramers turnover theory, E. Pollak and E. Hershkowitz 180 (1994) 191
- Finite barrier corrections for the Kramers rate problem in the spatial diffusion regime, P. Talkner 180 (1994) 199
- Collective motion and excitations*
- Applications of quantum-classical and quantum-stochastic molecular dynamics simulations for proton transfer processes, P. Bala, B. Lesyng and J.A. McCammon 180 (1994) 271